

Math 10 (Numbers Relations &amp; Functions)

Name \_\_\_\_\_

Elimination **Same sheet as Yesterday**

Date \_\_\_\_\_

Solve each system by elimination.

1)  $2x + 8y = 8$   
 $-3x - 8y = -4$

2)  $-x + 4y = 7$   
 $x + 4y = 25$

3)  $-9x + 8y = 15$   
 $-9x + 6y = 27$

4)  $-x - 5y = -3$   
 $-x + 3y = 13$

5)  $-5x + 2y = 9$   
 $6x - 2y = -8$

6)  $5x + 5y = 30$   
 $5x + 2y = 12$

7)  $-10x + 8y = -28$   
 $9x + 4y = 14$   $\xrightarrow{\times 2}$   $(2, -1)$

8)  $-6x + y = -15$   
 $-12x - 3y = -15$   $(2, -3)$

9)  $-5x + 10y = -10$   
 $-7x - 5y = -14$   $(2, 0)$

10)  $-5x + 10y = 5$   
 $10x - 4y = 6$   $(1, 1)$

11)  $7x - 2y = 24$   
 $3x + 9y = 30$   $\xrightarrow{\times 3}$   $(4, 2)$

12)  $-3x - 2y = 2$   
 $-5x - 3y = 6$   $(-6, 8)$

13)  $3x - 6y = 30$   
 $-10x - 9y = -13$

14)  $7x - 10y = 0$   
 $-9x - 4y = 0$

15)  $-10x + 7y = 12$   
 $-3x + 6y = -12$

16)  $-3x + 4y = 2$   
 $-5x + 3y = 29$

17)  $-10x - 6y = -14$   
 $8x + 5y = 11$

18)  $-3x - 2y = 8$   
 $-8x - 7y = 18$